

Title (en)

AN AIR-CONDITIONER WITH HIGH-EFFICIENCY DIFFERENTIAL COOL-VALLEY PIPES

Title (de)

KLIMAANLAGE MIT HOCHEFFIZIENTEN KÜHLROHREN

Title (fr)

CLIMATISEUR POURVU DE TUYAUX A RAINURES DE REFROIDISSEMENT DIFFERENTIEL A RENDEMENT ELEVE

Publication

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Application

EP 97917209 A 19970331

Priority

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Abstract (en)

An air-conditioner with high-efficiency differential cold-valley pipes , which include J pipes and a low-pressure circulating pump, has a first arc heat-exchanger which is formed by multiple-layer ladder-shaped corrugated plates and multiple-layer arc J pipe stacked alternatively, and a second arc heat-exchanger which is formed by multiple-layer arc J pipe and multiple-layer wave-shaped film-type evaporation face stacked alternatively. A low pressure pump is connected between the first arc heat-exchanger and the second arc heat-exchanger through pipelines. The air-conditioner solves the problems that the conventional air-conditioner consumes high energy, quality of the air in the room is low and the use of CFCs is confined.

<IMAGE>

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F24F 5/00

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EP 0892224 A1 19990120; **EP 0892224 A4 20010502**; **EP 0892224 B1 20041117**; AT E282798 T1 20041215; AU 2564897 A 19971029; AU 724372 B2 20000921; BR 9710951 A 20000118; CA 2250876 A1 19971016; CA 2250876 C 20040420; CN 1094581 C 20021120; CN 1161439 A 19971008; DE 69731621 D1 20041223; ID 18553 A 19980416; JP 2000517044 A 20001219; KR 100367218 B1 20030421; KR 20000005431 A 20000125; MY 132456 A 20071031; TR 199801992 T2 19990823; US 6178766 B1 20010130; WO 9738267 A1 19971016

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